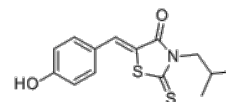


**Product Name** : PFM01  
**Cat. No.** : PC-61926  
**CAS No.** : 1558598-41-6  
**Molecular Formula** : C<sub>14</sub>H<sub>15</sub>NO<sub>2</sub>S<sub>2</sub>  
**Molecular Weight** : 293.399  
**Target** : DNA Repair Protein  
**Solubility** : 10 mM in DMSO



### Biological Activity

PFM01 (SML1735) is a small molecule that specifically inhibits **endonuclease**, but not exonuclease activity of MRE11, inhibits dsDNA end resection in A549 cells with IC<sub>50</sub> of 50-75 uM.

PFM01 blocks the ssDNA-binding path toward the catalytic metal ions and disrupts endonuclease activity.

### References

Shibata A, et al. *Mol Cell*. 2014 Jan 9;53(1):7-18.

Hengel SR, et al. *Cell Chem Biol*. 2017 Sep 21;24(9):1101-1119.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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